

**Notice of Allowability**

Application No.

09/886,518

Examiner

Richard Chang

Applicant(s)

SOMASHEKHAR, HOSAGRAHAR

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/29/2006.
2. ☒ The allowed claim(s) is/are 2-6 and 32-33, renumbered as 1-7.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### **Response to Amendment**

1. Applicants' amendments, filed on 08/29/2006, with respect to Claims 2-6 and 32-33 have been fully considered and are persuasive. The 35U.S.C.102 rejections have been withdrawn. None of the previously cited reference teaches the Claims 2-6 and 32-33.

Claims 1 and 7-31 had been canceled.

### ***Allowable Subject Matter***

2. Claims 2-6 and 32-33 are allowed.

### ***Examiner's Statement of Reasons for Allowance***

3. The following is a statement of reasons for the indication of allowable subject matter: The prior art along or in combination fails to teach or make obvious the following limitations:

"a data switching matrix having a plurality of ingress ports and a plurality of egress ports, wherein for each of the ingress ports, the data switching matrix is configured to transport data from each the ingress port to one of the plurality of egress ports; a plurality of ingress edge units, each of which is coupled to one of the plurality of ingress ports of the data switching matrix, wherein each of the plurality of ingress edge units is configured to receive a data from a

corresponding one or more of a plurality of ingress lines; a plurality of egress edge units, each of which is coupled to one of the plurality of egress ports of the data switching matrix, wherein each of the plurality of egress edge units is configured to transmit data received from the data switching matrix to one or more of a plurality of egress lines; wherein each of the plurality of ingress edge units is configured to examine data received via the corresponding ingress lines and to identify portions of the data corresponding to each of the egress edge units, wherein portions of the data corresponding to each of the egress edge units is stored in a corresponding buffer, and wherein data in each buffer is transmitted to the corresponding egress edge unit via the data switching matrix in a predetermined time slot, wherein the ingress edge unit comprises: one or more ingress ports, each of which is configured to be coupled to an ingress data line; a switch coupled to the one or more ingress ports; and a plurality of buffers coupled to the switch; wherein the switch is configured to store data received via the one or more ingress ports in the plurality of buffers, wherein the data stored in each of the plurality of buffers is destined for a corresponding one of a plurality of destinations; and wherein the ingress edge unit is configured to: transmit data from each of the plurality of buffers in a corresponding predetermined time slot, and schedule data from each of the plurality of buffers to be delivered to the corresponding one of the plurality of destinations, independent of the predetermined time slot” as recited in the independent claim 2.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*RKC*

rkc

Richard Chang  
Patent Examiner  
Art Unit 2616

  
RICKY Q. NGO  
SUPERVISORY PATENT EXAMINER